

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066291.D
 Acq On : 18 Aug 2020 21:14
 Operator : VA/SY
 Sample : L3710-01
 Misc : 5.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1-3-SOIL-DRUM

Quant Time: Aug 19 06:43:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

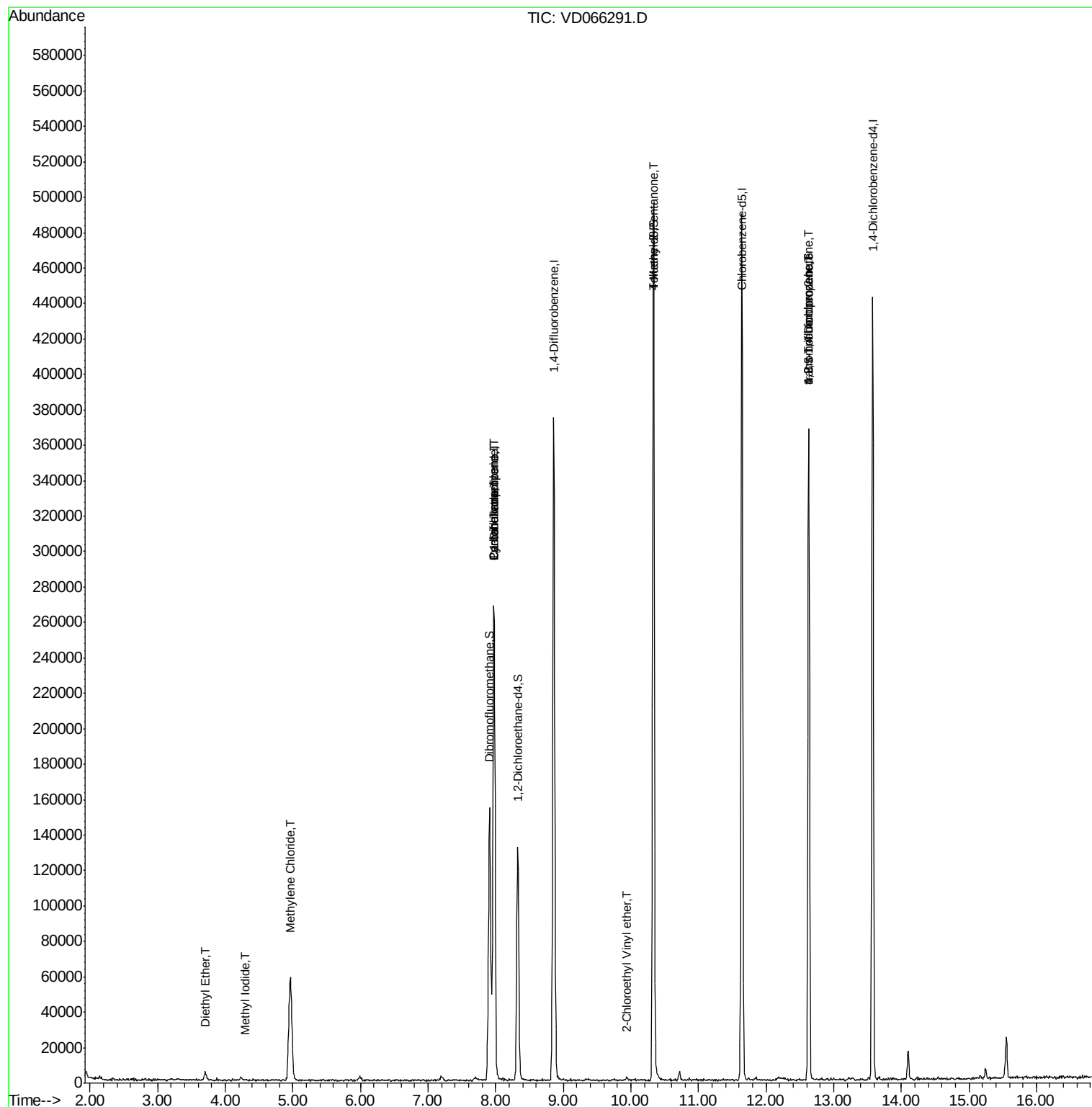
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	208354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	322938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	288074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120899	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	108961	58.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.24%	
35) Dibromofluoromethane	7.91	113	108155	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
50) Toluene-d8	10.34	98	339450	44.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.92%	
62) 4-Bromofluorobenzene	12.63	95	112015	41.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.32%	
Target Compounds						
8) Diethyl Ether	3.70	74	2030	2.183	ug/l	87
10) Methyl Iodide	4.29	142	56	6.738	ug/l #	39
20) Methylene Chloride	4.96	84	47026	20.461	ug/l	95
31) Cyclohexane	7.97	56	4522	1.389	ug/l #	39
36) 1,1-Dichloropropene	7.97	75	14137	4.659	ug/l #	52
38) Carbon Tetrachloride	7.98	117	21179	6.258	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	1653	1.358	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	948	1.074	ug/l #	84
76) 1,2,3-Trichloropropane	12.63	75	58575	58.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	58575	128.429	ug/l #	13

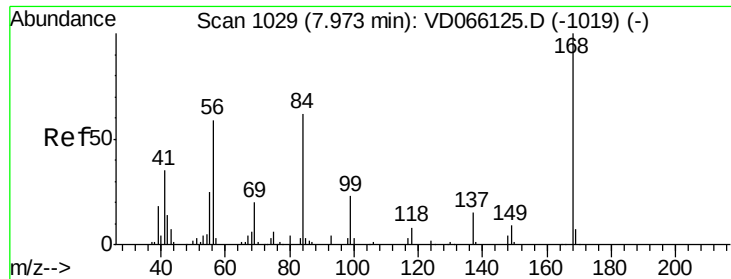
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066291.D

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Instrument :

MSVOA_D

ClientSampleId :

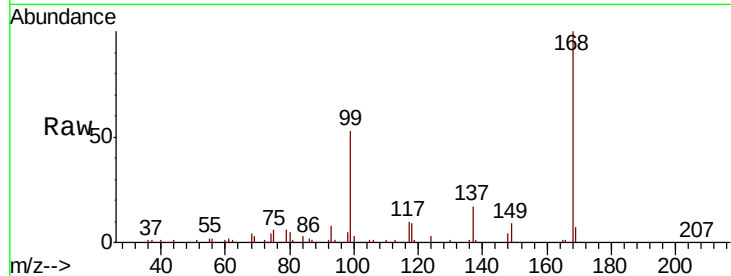
1-3-SOIL-DRUM

Tot Ion:168 Resp: 208354

Ion Ratio Lower Upper

168 100

99 53.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

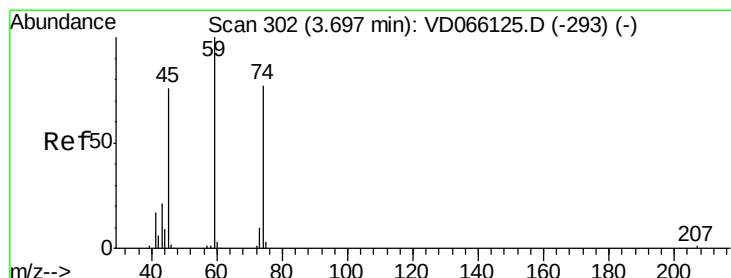
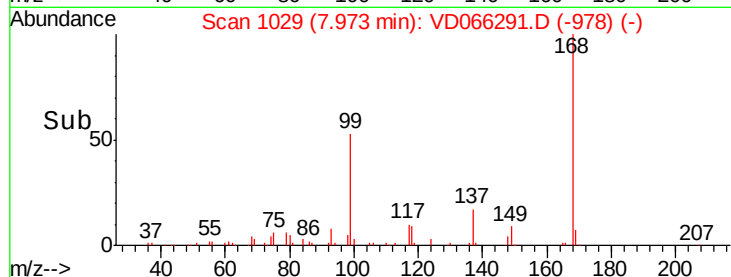
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.183 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066291.D

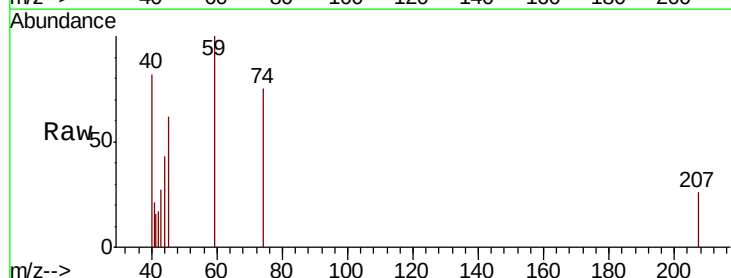
Acq: 18 Aug 2020 21:14

Tgt Ion: 74 Resp: 2030

Ion Ratio Lower Upper

74 100

45 110.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

1200

1000

800

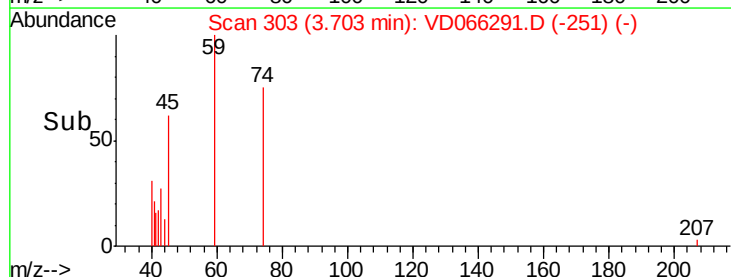
600

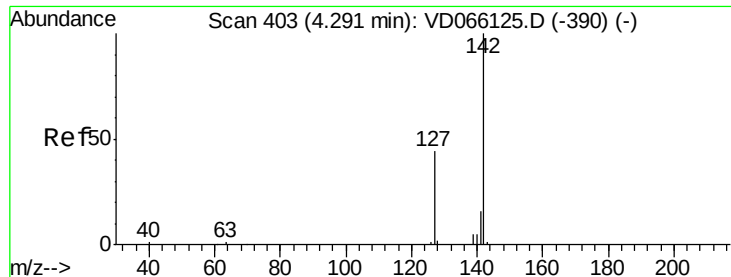
400

200

0

Time-->

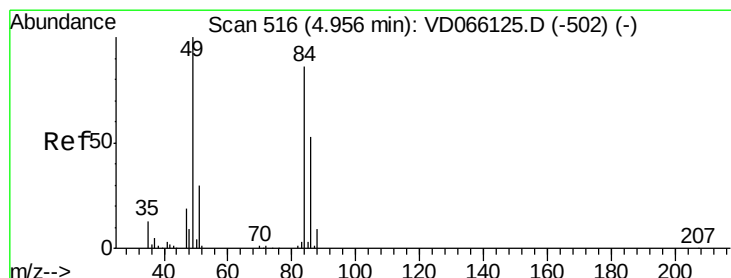
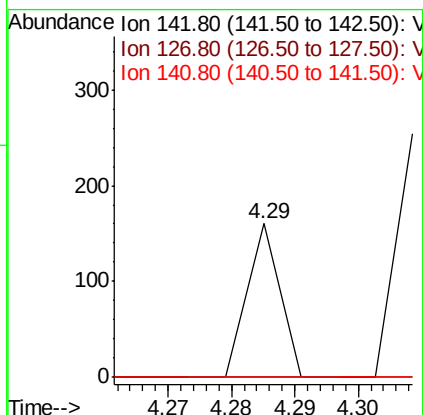
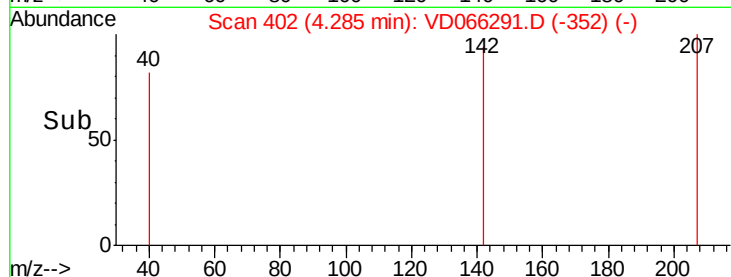
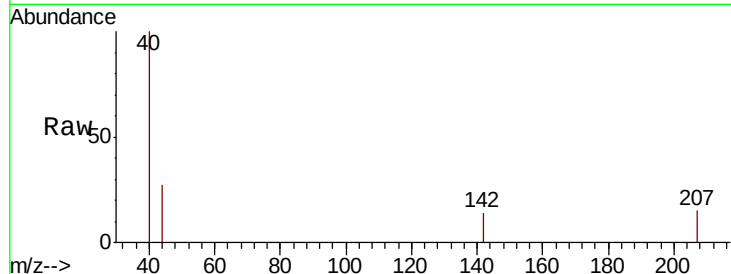




#10
Methyl Iodide
Concen: 6.738 ug/l
RT: 4.29 min Scan# 402
Delta R.T. -0.00 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

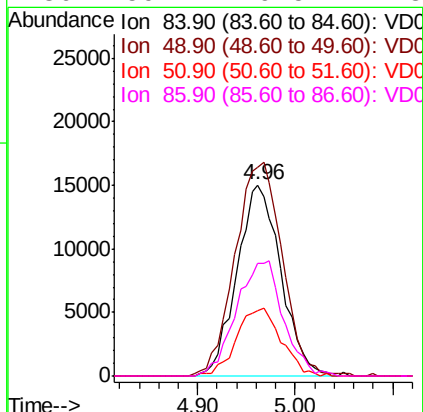
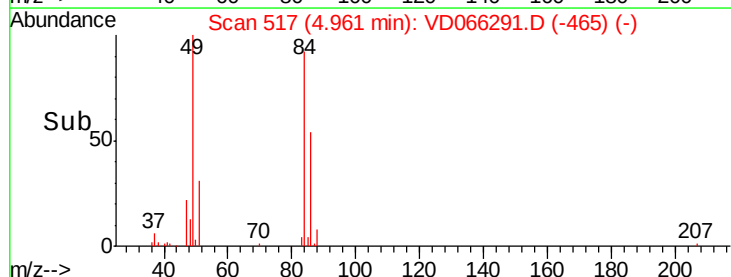
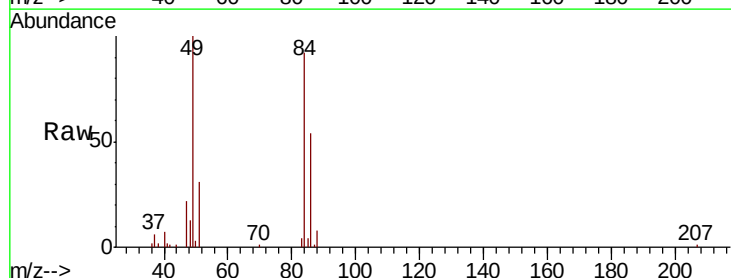
Instrument :
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1-3-SOIL-DRUM

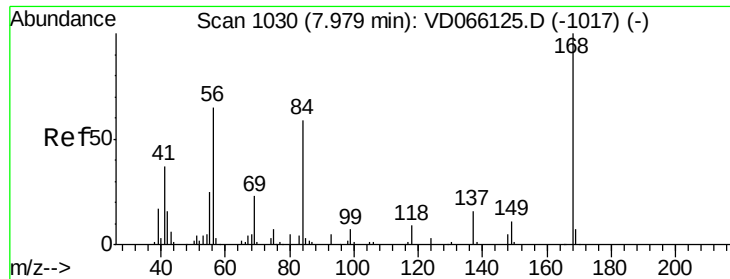
Tot Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#20
Methylene Chloride
Concen: 20.461 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

Tgt Ion: 84 Resp: 47026
Ion Ratio Lower Upper
84 100
49 109.3 93.5 140.3
51 34.1 28.2 42.4
86 59.1 49.5 74.3

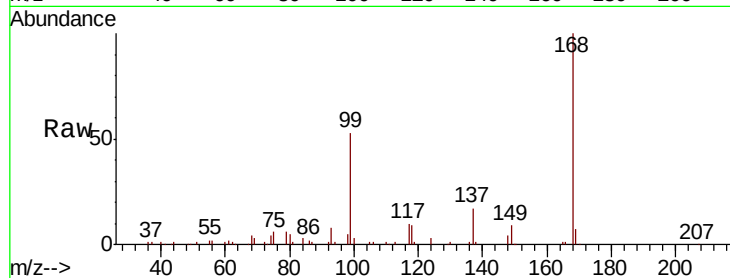




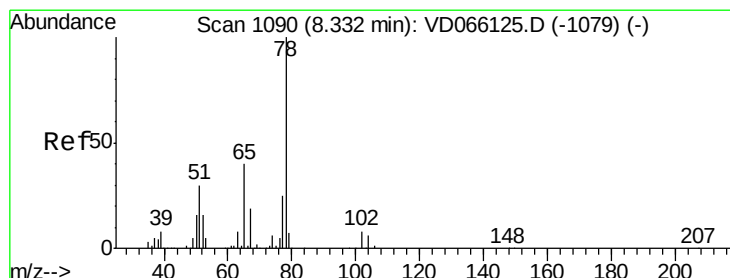
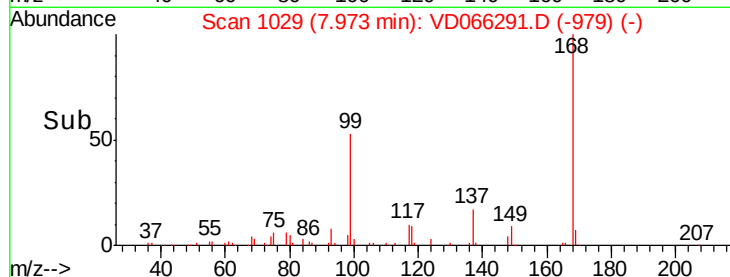
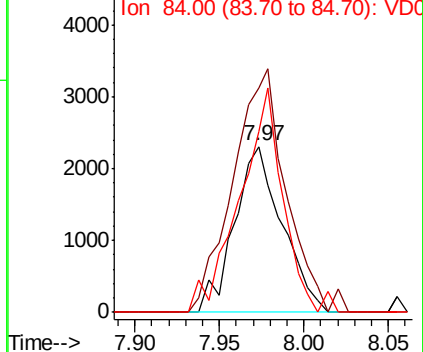
#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

Instrument :
MSVOA_D
ClientSampleId :
1-3-SOIL-DRUM

Tot Ion: 56 Resp: 4522
Ion Ratio Lower Upper
56 100
69 135.7 28.8 43.2#
84 108.9 73.0 109.6

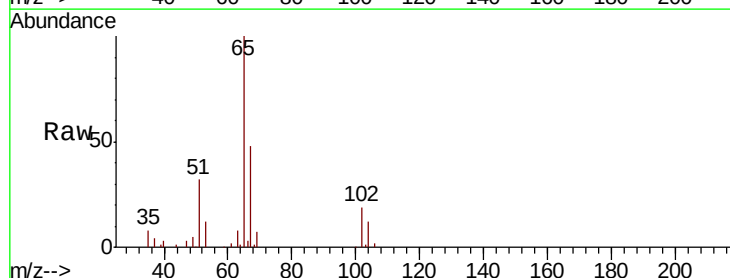


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

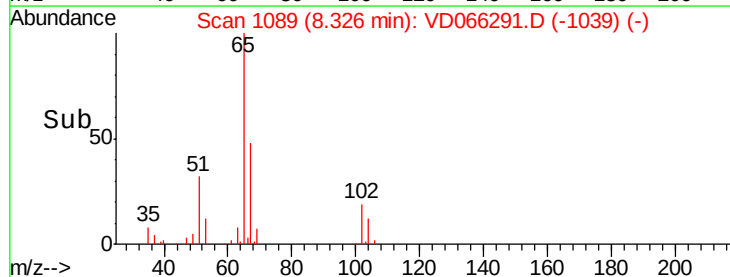
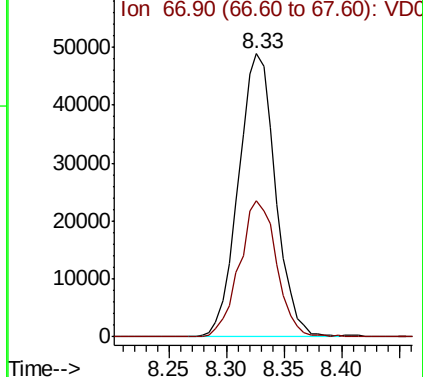


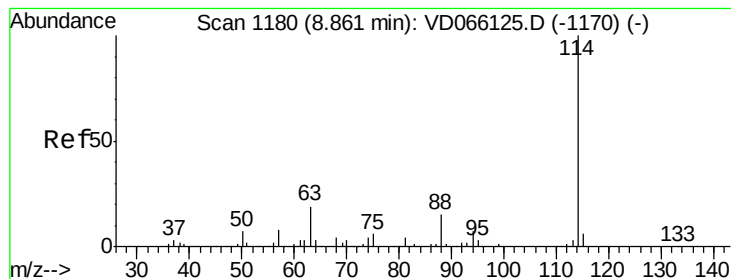
#33
1,2-Dichloroethane-d4
Concen: 58.618 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

Tgt Ion: 65 Resp: 108961
Ion Ratio Lower Upper
65 100
67 48.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066291.D

Acq: 18 Aug 2020 21:14

Instrument :

MSVOA_D

ClientSampleId :

1-3-SOIL-DRUM

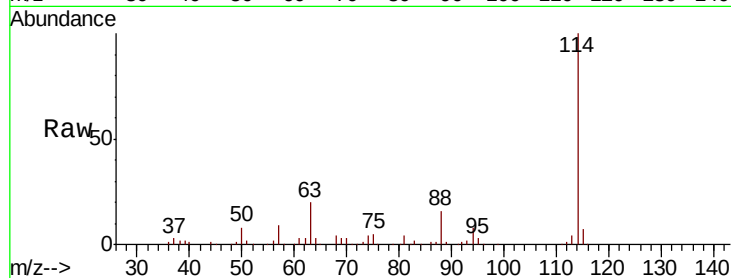
Tot Ion:114 Resp: 322938

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

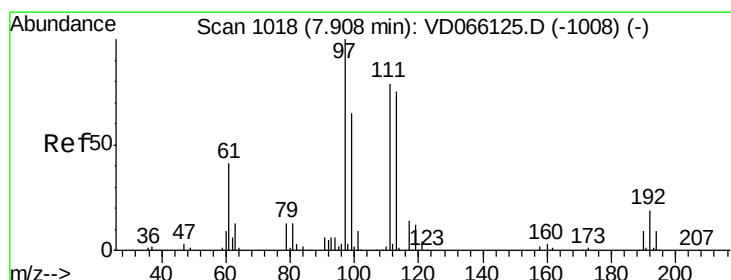
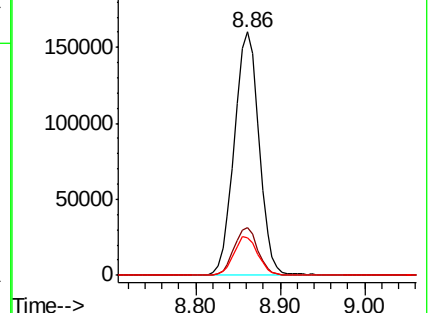
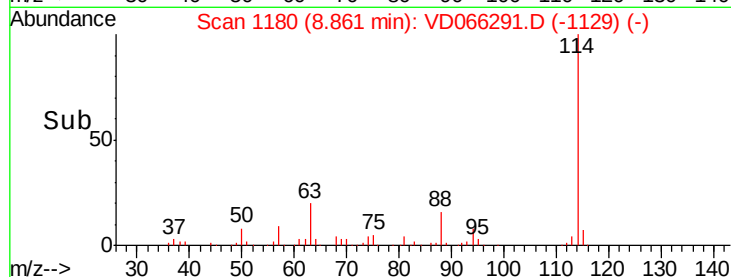
88 15.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.867 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066291.D

Acq: 18 Aug 2020 21:14

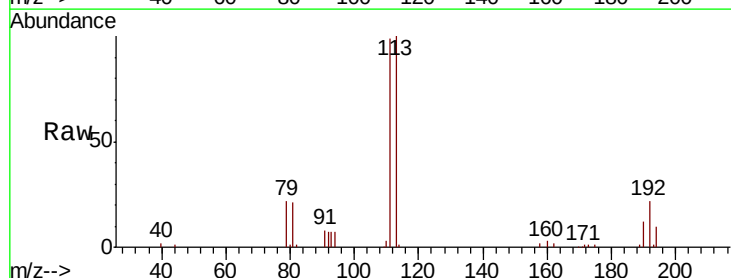
Tgt Ion:113 Resp: 108155

Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

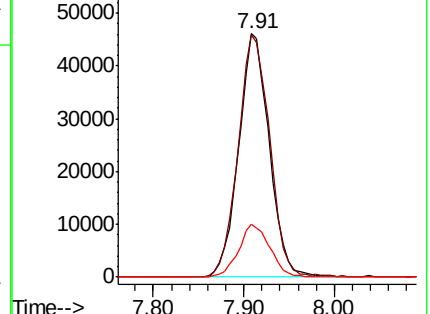
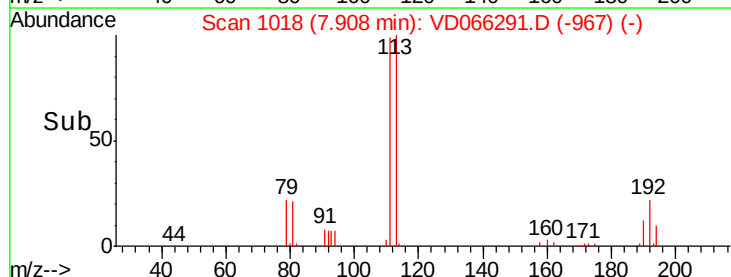
192 22.0 18.4 27.6

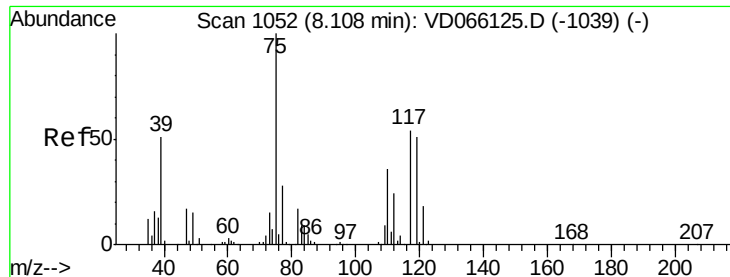


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.659 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066291.D

Acq: 18 Aug 2020 21:14

Instrument :

MSVOA_D

ClientSampleId :

1-3-SOIL-DRUM

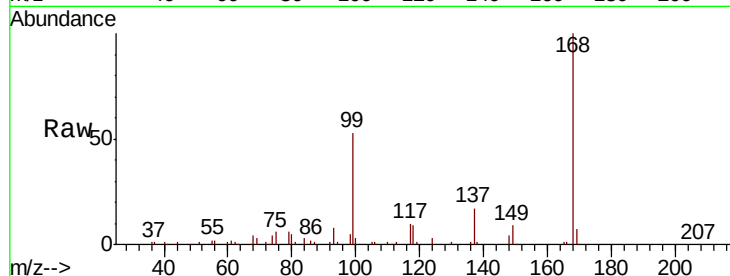
Tot Ion: 75 Resp: 14137

Ion Ratio Lower Upper

75 100

110 12.7 18.8 56.3#

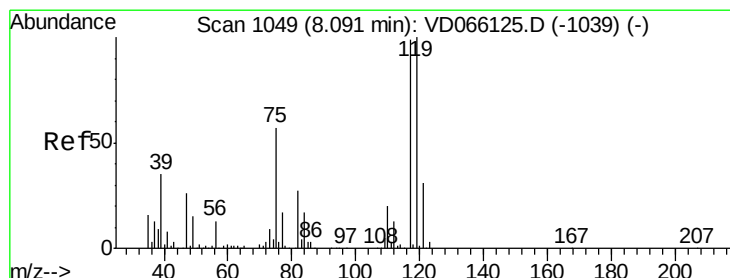
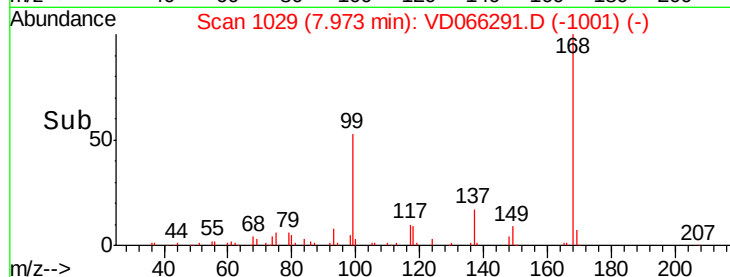
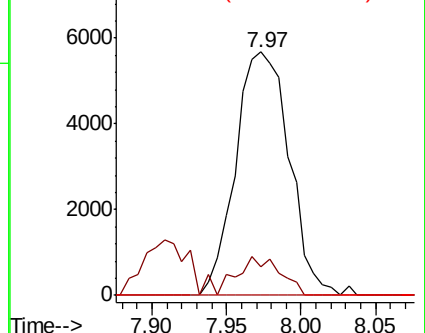
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VD066291.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066291.D (-1001) (-)

Ion 76.90 (76.60 to 77.60): VD066291.D (-1001) (-)



#38

Carbon Tetrachloride

Concen: 6.258 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066291.D

Acq: 18 Aug 2020 21:14

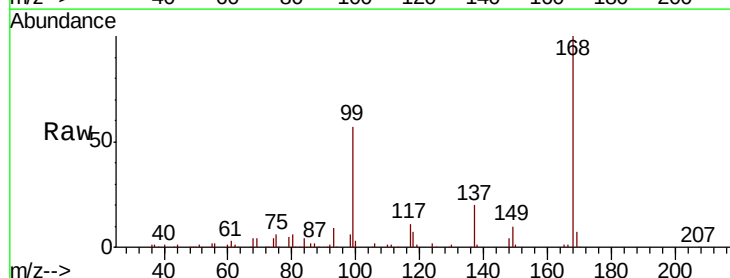
Tgt Ion: 117 Resp: 21179

Ion Ratio Lower Upper

117 100

119 5.9 81.0 121.4#

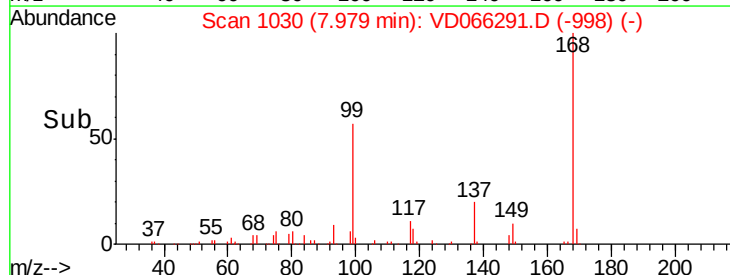
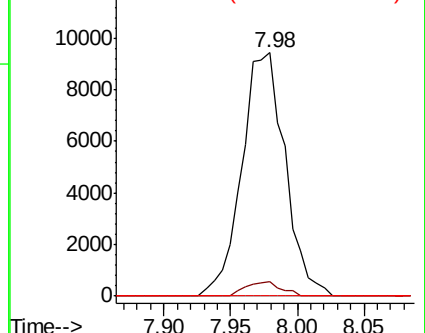
121 0.0 24.8 37.2#

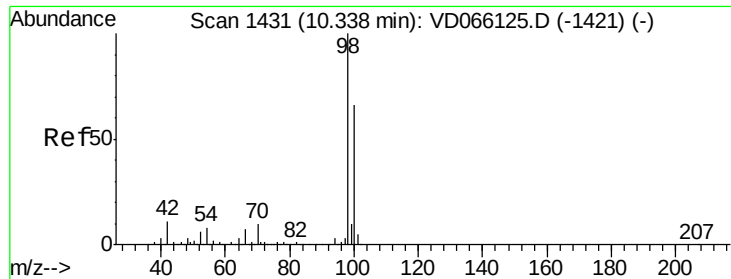


Abundance Ion 116.80 (116.50 to 117.50): VD066291.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066291.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066291.D (-998) (-)

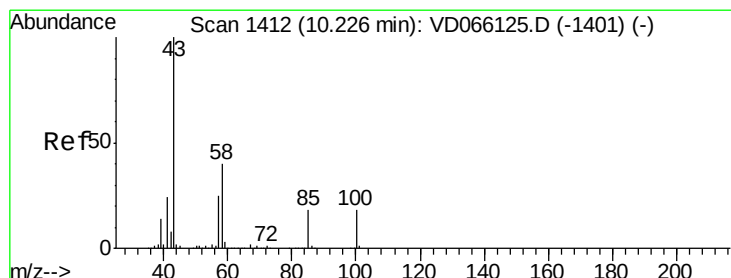
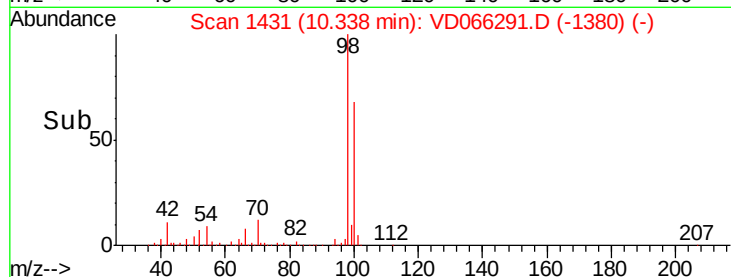
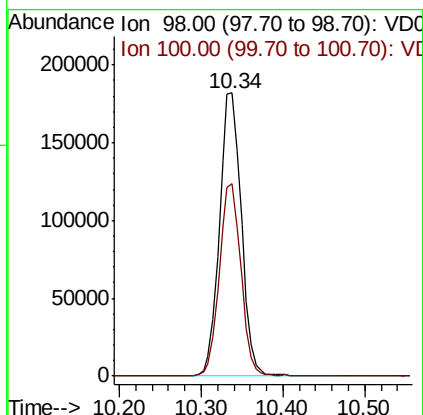
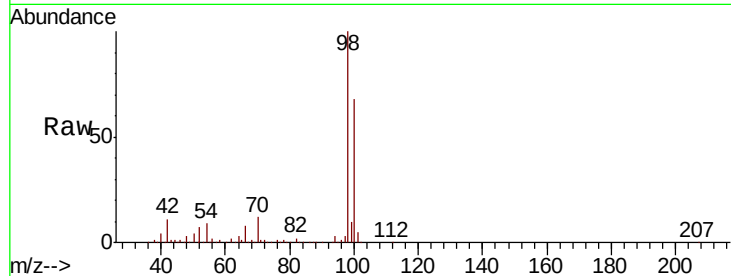




#50
Toluene-d8
Concen: 44.964 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

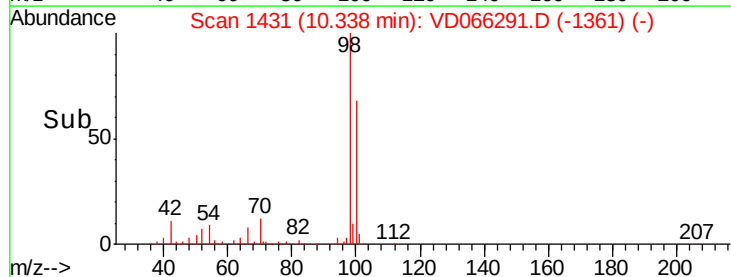
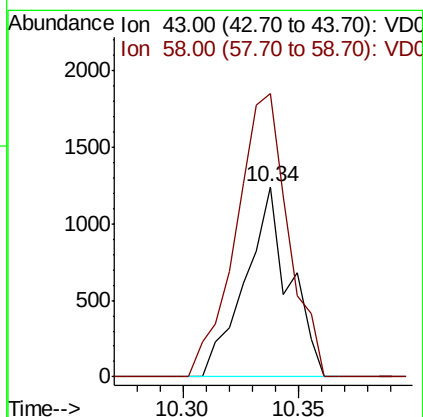
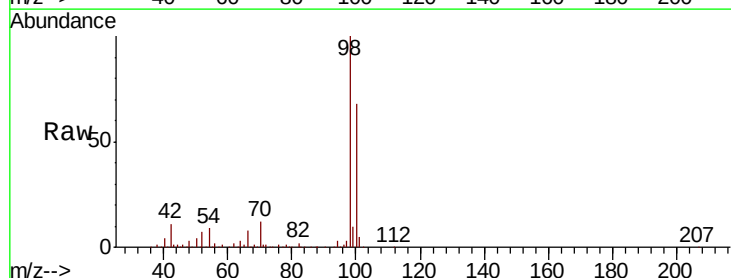
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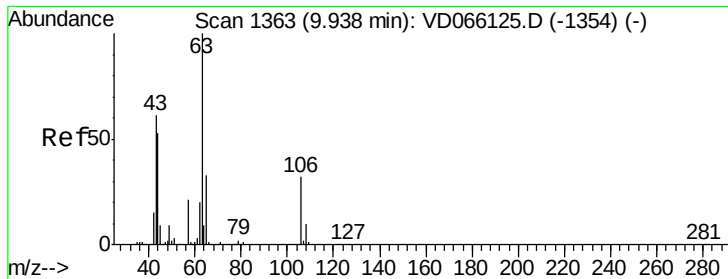
Tot Ion: 98 Resp: 339450
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.358 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
58 176.5 31.1 46.7#

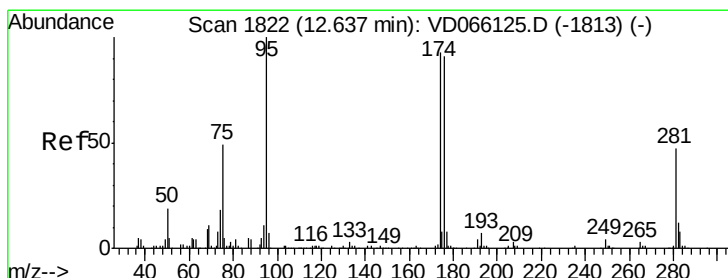
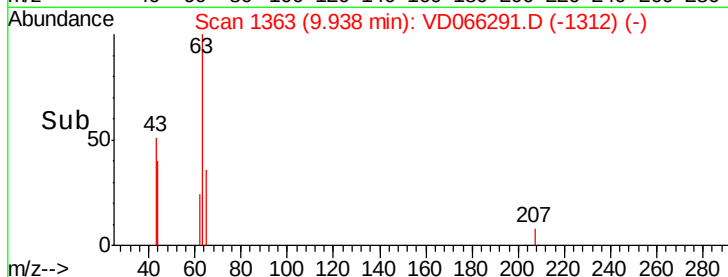
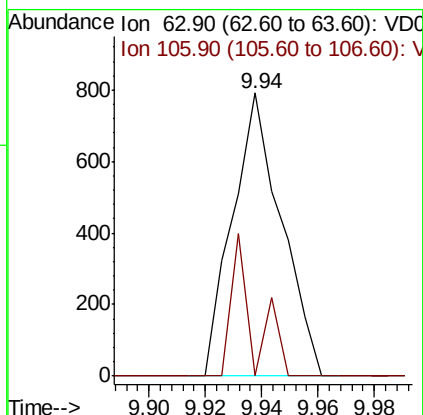
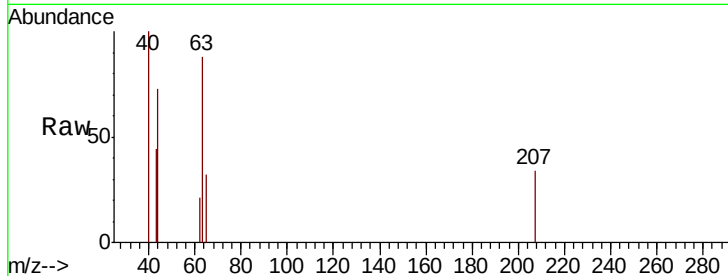




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.074 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066291.D
 Acq: 18 Aug 2020 21:14

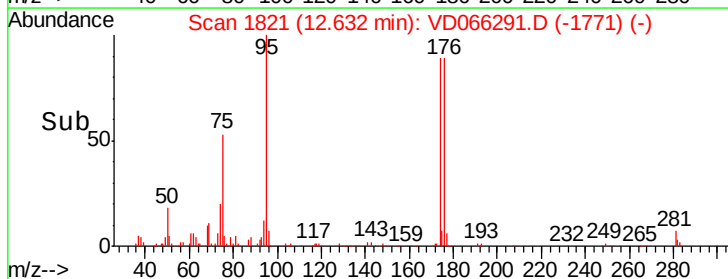
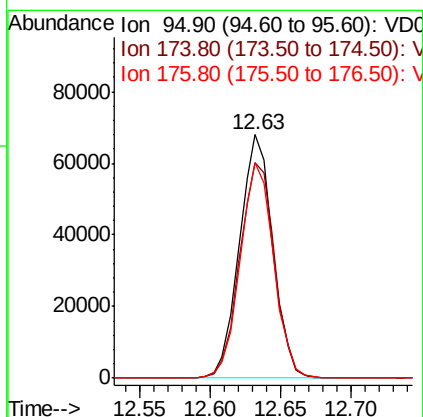
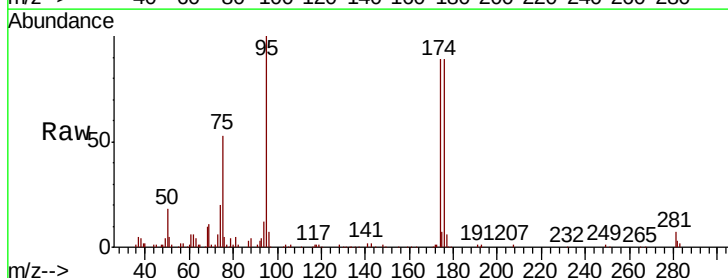
Instrument :
 MSVOA_D
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 1-3-SOIL-DRUM

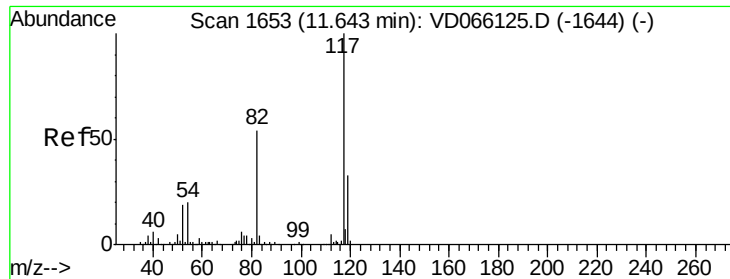
Tot Ion: 63 Resp: 948
 Ion Ratio Lower Upper
 63 100
 106 23.0 25.3 37.9#



#62
 4-Bromofluorobenzene
 Concen: 41.163 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066291.D
 Acq: 18 Aug 2020 21:14

Tgt Ion: 95 Resp: 112015
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 180.8
 176 89.2 0.0 181.2

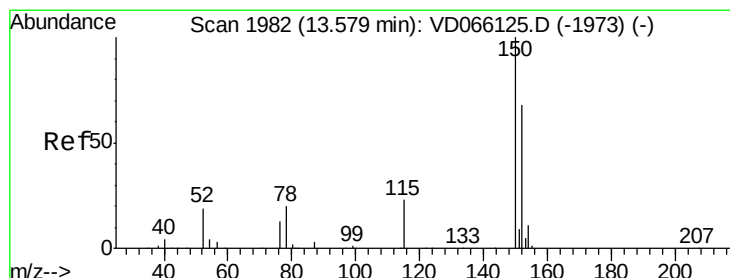
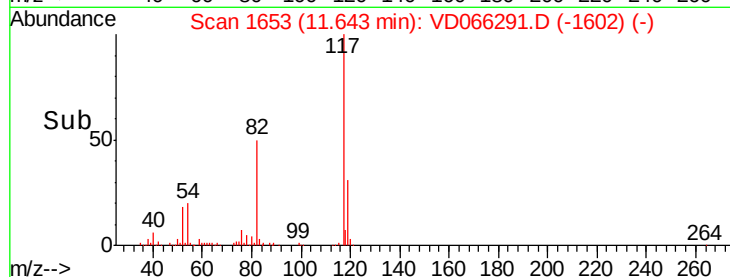
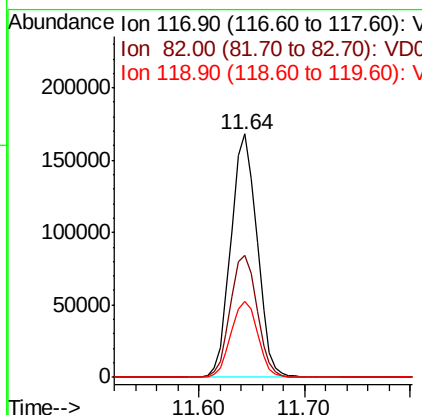
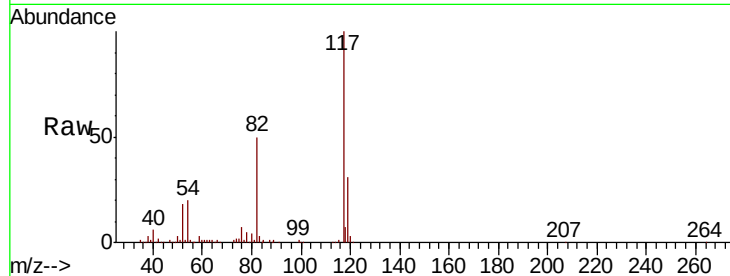




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

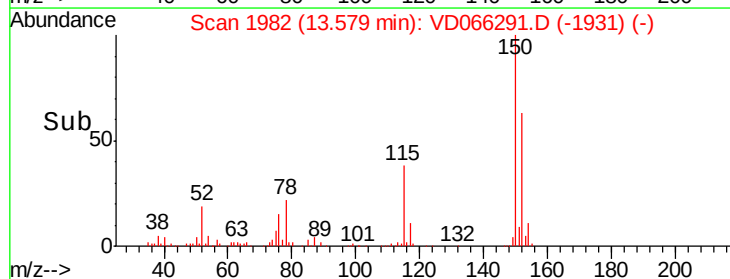
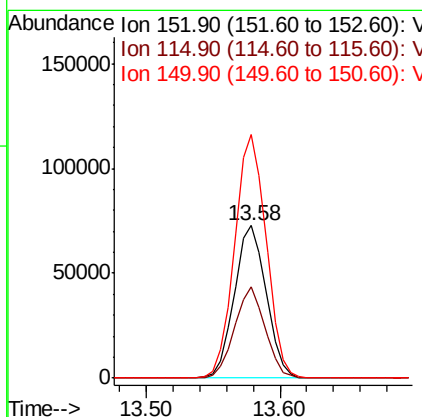
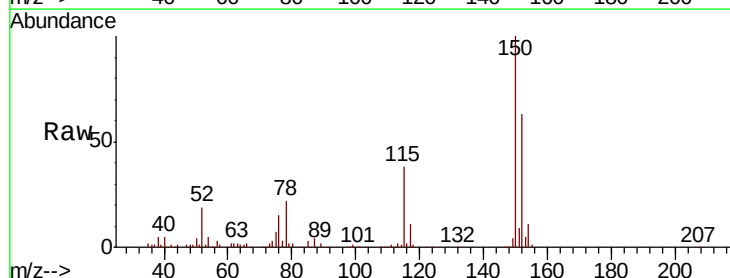
Instrument :
MSVOA_D
ClientSampleId :
1-3-SOIL-DRUM

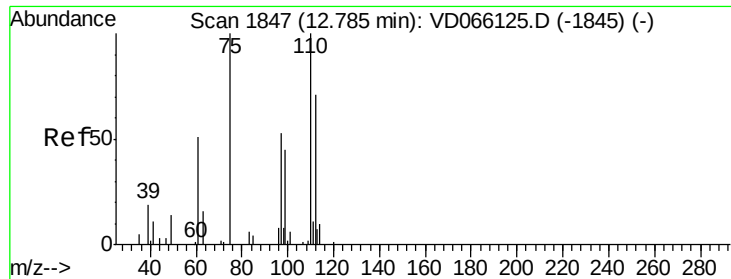
Tot Ion:117 Resp: 288074
Ion Ratio Lower Upper
117 100
82 50.3 43.0 64.4
119 31.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066291.D
Acq: 18 Aug 2020 21:14

Tgt Ion:152 Resp: 120899
Ion Ratio Lower Upper
152 100
115 57.2 28.0 83.9
150 156.8 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 58.098 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066291.D

Acq: 18 Aug 2020 21:14

Instrument :

MSVOA_D

ClientSampleId :

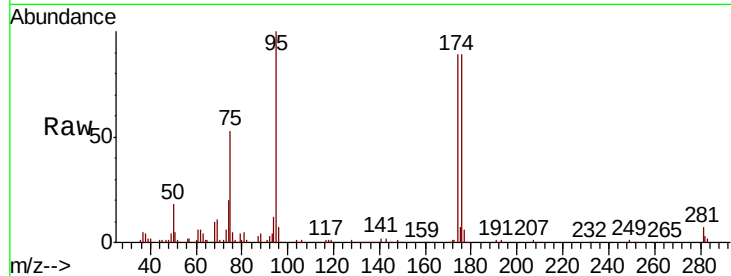
1-3-SOIL-DRUM

Tot Ion: 75 Resp: 58575

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

40000

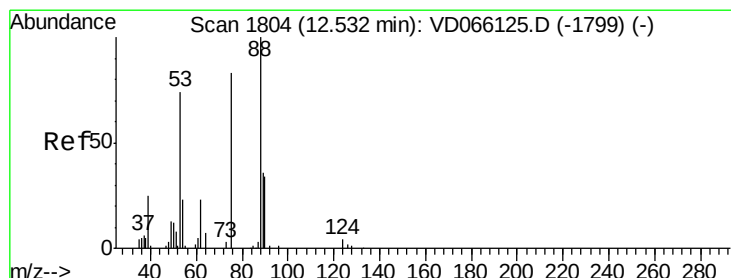
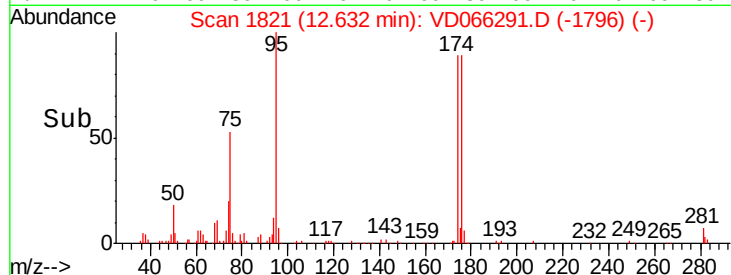
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 128.429 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066291.D

Acq: 18 Aug 2020 21:14

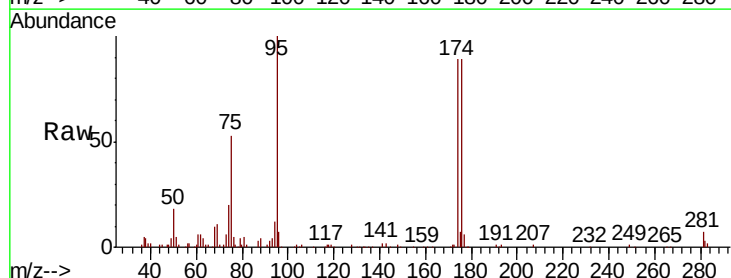
Tgt Ion: 75 Resp: 58575

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.2 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.63

50000

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

